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The Students of Worcester Polytechnic Institute

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WPI Cycling Team Conquers Mt. Washington

by Erik De Briae

Upon only one day's notice of the re-scheduling of the Twelfth Annual Mount Washington Mountain Climb Race, two members of the WPI Cycling Team were able to compete. Freshman Alan Cote and team president Erik De Briae embarked from WPI on Sept. 9 to accept the ultimate challenge of Mount Washington in New Hampshire.

Mount Washington towers 6,288 feet above sea level and is the highest mountain east of the Rockies and north of Carolina. It has a climate akin to that of the Arctic Regions and has permanent ground frost caused by the year round average temperature of five degrees below zero. The observatory atop the summit recorded the highest wind ever observed on earth of 231 m.p.h. "This is the

second greatest show on earth," once declared the famous showman, P.T. Barnum, as he beheld the summit outlook. The Mount Washington Auto Road (of "This car climbed Mt. Washington" bumpersticker fame) is eight miles long and has an incredibly steep 13% grade throughout its entirety. So strenuous is the ascent that it is said to consume 2,000 miles of an automobile's life. To cope with these harsh race conditions, Cote and De Briae had to equip their bikes with special mountain climbing gears.

The event is annual and attracts a large following. It is as Cote notes, a "cult" race. Many competitors train specifically and solely for this event.

Included in this year's 200-plus member race field was WPI's archival, the University of New Hampshire (UNH) Cycling Team.

UNH gave strong performances by placing three racers in the top five. WPI trailed UNH to be the second best collegiate team to place.

WPI's Alan Cote placed a respectable fourth in the United States Cycling Federation (USCF) Junior category. Cote rode at an unrelenting pace, and beat his time of last year by seven minutes.

"Yes, I am satisfied with my time, really," Cote said. "It's just the other guys' times I'm not so satisfied with." Recalling the mountain grade, Cote said, "It was so steep that I couldn't drink from my water bottle — both my hands were always gripped to the handlebars." Cote's performance proves him to be an experienced hill specialist and a truly valuable asset to the team.

WPI's team president Erik De Briae placed 11th in the USCF Senior IV category, a

placing he calls "meager." De Briae lacked the experience that the others had on this, his first attempt at the mountain. And the shock of it seemed to overwhelm him. "The worst part of the race was when I teetered and fell over from the steepness of the grade — I was terrified to mount my bike again for fear of rolling back down or off the mountain!" De Briae said he greatly looks forward to bettering his time next year — "The experience really helps," he explains.

President De Briae also adds that next year plans have been made so as to allow more of the cycling team to compete at Mount Washington.

The team wishes to express deep appreciation to Michael and Mr. Downey for providing Alan and Erik transportation to and lodging at the Mount Washington race.

WPI Newspeak

The student newspaper of Worcester Polytechnic Institute

Volume 12, Number 17

Tuesday, October 2, 1984



Plan Changes Discussion Continues Via Electronic Mail

Many faculty and students found the discussion of the curriculum changes that took place last D-term to be frustrating. Just as progress was being made, the discussion was cut off for the summer.

In order to continue the discussion through the summer break, John Wilkes of the Social Science Department proposed using the mail system of the DEC 20. Thus the account (SS.CURRICULUM-CHANGE) was created. Everyone could send their comments to this account, and then go in and read the reaction, as well as others' comments and updates.

The account has been continued into the school year with the hope that the discussion will go on, as well. It is open to everyone. To read the comments already in the file, enter MS. at the MS) prompt, type GET(SS.C (ESC). The computer will complete the account name for you when you hit the

(ESC) key.

A listing of the comments that are currently in the file will then appear. To read a particular message, type TY # after the MS prompt, where # is the number of that message you wish to read.

If you wish to add your own thoughts to the file, type SEND after the MS) prompt. Send to: (SS.C (ESC), where, again, the name will be completed automatically when you hit the (ESC) key. When you have typed out your comments, use CTL-Z to transmit the message.

It is hoped that all will join in the open discussion. If you happen to be in WACCC, and want to get your two cents in, or even if you just wish to keep abreast of the debate, (SS.CURRICULUM-CHANGE) is available to all.

Looking for an IQP? IEEE Centennial Convocation To Be Largest Technical Meeting

Join us in the Pub for the IEEE Franklin Institute Centennial Technical Convocation. On October 8, 1984 at 8:30 p.m., live from Franklin Institute via satellite, the IEEE will present a panel of distinguished guests who will discuss the interplay of technology and society. This program may help WPI students find good IQP topics.

This program will be the largest technical meeting held in history. It will start in the Pub at 8:00 p.m. with an introduction on satellite television. A speaker will explain

how we are receiving the program from Franklin Institute. At 8:30 p.m. the broadcast will begin with Bernard M. Oliver as principal speaker. Edward E. David, Jr. will be moderator and the panelists will be Charles H. Townes, Alvin Toffler, and Joshun Lederberg.

The panel members will also answer questions phoned in by the audiences, so come join us and see how technology will change as "the second century begins." Refreshments will be served.

Washington Projects Center Marks Tenth Year

by Helen Webb
Newspeak Staff

Since September 1974, WPI's project center in Washington, D.C., has provided the opportunity for WPI students to work full-time on their IQPs by interning with government agencies for one term. In past years, students have worked with a number of government agencies including a number of Departments, the Environmental Protection Agency, the Consumer Product Safety Commission, and the Executive Office of the President. Students have also worked with the Institute of Electrical and Electronic Engineers, the New England Congressional Caucus and the office of Congressman David Emory (First District, Maine). This fall, many WPI students are working in conjunction with the National Academy of Sciences.

According to Prof. Francis Lutz, Associate Dean of Projects, the Washington Project Center opened in 1974 amid Watergate hearings and provided the opportunity for 68 students, spread over terms A, B, C and D to work in Washington. Every year since, the center has hosted 18 students A-term and 18 students B-term. Students work in groups of three students, and live in different groups of three in a downtown hotel. The program is fairly expensive for both the students involved and WPI. Students must contribute \$575

toward their rooms, pay for the first \$25 of downtown transportation costs, find their own method of getting to Washington, and pay for food (the hotel rooms have kitchen areas). WPI pays for the rest of the program's expenses.

Project ideas come from the government agencies themselves. The ideas are reviewed, and the best are chosen. This fall, students are investigating methods of solving the shortage of skilled workers; will be preparing a report describing federal manufacturing activities; are investigating the use of computers in pre-college biology education; and are conducting a systematic review of the literature to determine the cost-effectiveness of various health promotion and disease prevention programs, an idea proposed by former WPI faculty member Roy Widdus, who now works with the National Academy of Sciences Institute of Medicine.

Selection for the Washington Project Center is competitive. According to Dean Lutz, there is not anything in particular that is looked for in applicants. Interested students should, however, have some background in economics or government issues. A strong background in statistics is also recommended. For more information, contact the Project Center.

Need a Part-time Job? See OGCP

The OGCP (Office of Graduate and Career Placement) offers, in addition to its services to graduating seniors, a part-time job directory for students of any year who would like a part-time job.

The jobs are posted on a bulletin board at OGCP. (OGCP is located on the third floor of Boynton Hall, in the room which was originally the Institute's Chapel). According to OGCP director Bill Trask, the jobs are posted when they are received and left up until the employers notify OGCP that the positions are filled.

The jobs are many and varied. Each week *Newspeak* will publish three or four of the many usual or interesting ones.

If you need a job and like the sound of one of these, see Bill Trask to apply. Or go check out the dozens of other intriguing job offers on the OGCP bulletin board!

Challenging Opportunity in Pro Sports

The Bay State Bombardiers (the Boston Celtics' Triple A Affiliate, head coached by Dave Cowens) will be playing their 24 home

games at the Worcester Memorial Auditorium.

The team is looking for a bright and highly motivated salesperson, interested in breaking into the business of professional sports.

THE JOB: Commissioned Sales Agent; Season Ticket, Advertising, Group Sales
PREREQUISITES: Excellent communication skills. Extensive knowledge of major and minor league basketball. Previous sales experience.

CONTACT: Steven Warshaw, Business Manager Bay State Bombardiers, Worcester Memorial Auditorium; 1 Highland Street, Worcester, MA 01608; 9-5; 792-1300, after 6 — 842-2040.

Nordgren's Funeral Home

Nordgren's Apt. plus pay. 2 men needed. Contact Jack Carrigan, 852-2161. Part-time. Extra work available.

Centrum

Cleaning after events, 10:30 p.m. - 2:30 a.m., 2-3 nights/week, \$3.75/hour. Call William Eddy, 791-7897.

Final Results of Freshman Elections

President — Bryan J. Sheppeck
Vice President — Susan M. Hepworth
Secretary — Simone A. Shields
Treasurer — John W. Hart
Class Representative — William R. Riccio, Jr.

LETTERS

Rugby Club Asks Administration's Cooperation

To the Editor:

The WPI Rugby Football Club (WPIRFC) will be four years old next spring. During these four years we have grown from an idea in our founders' heads to the largest sport club on campus.

Throughout this time, our objectives have remained simple. Provide a fast, hard-hitting sport for those of us in the WPI community who desire such a sport, and who can't devote the time that a varsity sport demands. Also over the four years, many team members have graduated to work in their rugby careers and many of them currently play for a men's team in their area. These alumni remain interested in the WPIRFC and receive newsletters informing them of the club's activities.

Last year, the officers at that time decided to have an annual alumni game to be held on Homecoming weekend. This would allow alumni rugby players to come back and play against the current team. The school was asked for the use of one of the fields on which to have this game. They said NO. It was played at Chandler Street School. Early last year, the officers again asked for the use of a school field. WPI said O.K. We were scheduled to play on the baseball field, Sunday, September 23, 1984.

On that day at 12:30, alumni and players began to assemble for the 2nd Annual Alumni game. Much to the dismay of all of us, tents, chairs, fences and tables which had been used the day before still cluttered the baseball field. It would have been an impossible task for us to clean it up. Many alumni were quite upset since they were anxious to play. Many players were upset since playing on the baseball field meant a large crowd of friends to watch, and also, a closer relationship with the school administration. We ended up driving the alumni and players to Forest Grove School to play the game.

We expected that WPI would have had everything set for us to play. We expected the field to be cleared so everything could proceed as scheduled. Instead, traveling caused an inconvenience to us and more importantly our alumni. In fact some team members were unable to travel to the school to play.

We're trying to cooperate with the school in every way we can whenever they make a request of us. A little more cooperation extended towards the WPI Rugby Football Club would be appreciated.

— Andrew Bruno, President WPIRFC
and Robert Hansen, Vice President WPIRFC

OFFICE HOURS:

MONDAY	8-9, 10-12, 1-4
TUESDAY	8-9, 10-12, 1-4
WEDNESDAY	9-12, 1-4
THURSDAY	8-9, 10-12, 1-2
FRIDAY	10-12, 1-6
SATURDAY	11-1

Letters Policy

WPI Newspeak welcomes letters to the editor. Letters submitted for the publication should be typed (double spaced) and contain the typed or printed name of the author as well as the author's signature. Letters should contain a phone number for verification. Students submitting letters to the editor should put their class year after their name. Faculty and staff should include their full title. Letters deemed libelous or irrelevant to the WPI community will not be published.

The editors reserve the right to edit letters for correct punctuation and spelling. Letters to the editor are due by noon on the Saturday preceding publication. Send them to WPI box 2700 or bring them to the Newspeak Office, Riley 01.

Commentary articles reflect the opinions of the writer and not necessarily Newspeak.

Newspeak

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Comments on Carillon

To the Editor:

Several recent articles in **Newspeak** have dealt with the issue of the newly installed "carillon" in Alden Hall Tower.

Actually, the new "bells" are a broadcast system, which plays tapes and broadcasts the "tampered sound" of little metal plates the size of glockenspiel notes. There are no bells!

The college might have purchased two sets of real bells, each a true carillon, last year. One is of eleven notes and would have cost \$7,000; the other, of twenty-six notes, would have cost \$25,000 or less. Installation would have been an additional cost.

WPI chose instead to purchase the electronic system which has recently been activated. The representative of the company which installed this system, who was also the agent for the 26-ring carillon, told me that the WPI tower would have been ideal in New England for the latter real bell carillon, for it had been constructed for just such a system.

While it is true that the electronic system was cheaper, I was informed that the objection to the real bells was: "Who will play them?"

One need only look at neighboring colleges — from Boston to Cornell — for the obvious answer: people play them. There was no mention of reinforcing the tower in my discussions with the agent, and the sum of half a million dollars is highly questionable. It sounds like a sales pitch.

The new phonographic system with its speakers can only produce canned music, purchased elsewhere. It will, in time, become obsolete, like the former electronic system it replaces.

Yes, we could have had real bells in the Alden Tower, which was constructed for just such an event. They would not become obsolete. They could be played by our competent WPI musicians now and in the years to come. It is regrettable that the college settled for less, not because of the somewhat higher initial cost for the real system, but because college administrators lacked faith in WPI faculty and student musicians.

— Louis J. Curran, Jr.
Assistant Professor of Music

Heads . . . Or Tails?

To the Editor:

As a new freshman, I feel that I share many of my problems with the rest of the class of 1988. With tough classes, intramurals, and mountains of homework, it's tough to stay on top of all that's happening. So a few weeks (days?) into A-term, I heard that there would be class officer elections held soon. Great, I thought, my class would now have a say in matters of importance, and I would have someone to share my ideas for the class with. Now, I had no intentions to run for any office — my work load was just too heavy — but I had no objections to anyone else who had the time available to give it a shot.

I expected to hear a lot from the candidates during the campaign — election speeches, posters, and maybe even meet one.

Well, two out of three isn't bad, or so they say. I didn't get to meet just one, but four, three of them within two minutes of each other. The three just mentioned led an assault on my friends and me one Friday afternoon. Armed with nomination papers, they ravenously scrounged for every available signature, and were quite miffed when I refused to sign on the grounds that I did not know what they stood for. How, may I ask, is this different than asking to read a contract before you sign?

The fourth person I met was a woman, running for president. Great, I thought, a woman, outnumbered 5 to 1 by males, was running for president. She introduced herself, and asked for my vote. I told her I would be glad to endorse her, if I knew what she stood for. Well, I wish I had my nuclear blast-proof earplugs in because I was not ready for the assault that was to follow. "Well, I'm a lot better than that ***hole over in Morgan?" "How?" I asked. "Cause he's a jerk and would do bad for the class if we elected him." These are not direct quotes, however, but the reader should get the gist pretty well. I then walked off — IF I voted,

she would not get mine.

That was the last candidate I heard from. As the days (weeks?) passed the campaign posters appeared, and were vandalized. Finally, **Newspeak** arrived, and there were candidates' statements! I could now know the candidates and what they stood for! No such luck. One statement contained a four (three?) letter word (Tacky, Tacky) and the others were less enlightening. Two of the candidates had some kind of party ticket going, and they were the ones I liked best. However, since all the candidates did not make statements, I decided not to vote on the grounds that I was not well enough informed. I was quite heavily chastized for this decision, but at that time I was confident that I made the right one, and I still am now.

Now the election is over, and I still do not know any of the officers. Looking back at **Newspeak**, one of the persons who made statements was not even on the ballot, and the Candidate who later won Class representative did not even make a statement. I am quite disappointed in the school itself, and I have nowhere to go with my ideas for the class.

Have all the college campuses, once hotbeds of liberalism, receded into the dark ages of voting for the candidate with the best-looking name, the nicest smile? I hope not.

I am sure our forefathers who wrote the Constitution and guaranteed us the right to vote intended us to be informed when we voted. This past election was nothing more than a beauty contest — the basest form of democracy.

All that I ask is that there be a forum, debate or just speeches given during dinner for the C-term elections. This November, we make the most important decision of all; we will choose who will lead our country, the most powerful in the western world, for the next four years. We cannot afford to not be informed.

— Mark Osborne

The Dictionary According to Reagan

by Kieran Suckling

I'm very embarrassed. Here it is October, one month away from the presidential election, and many Americans still do not understand our great leader's plans to return America to her past glory. Look at all those peaceniks out there whining about human rights and nuclear war. It's quite obvious they simply do not understand our gracious leader. It is for their benefit that I have compiled this dictionary of terms which any God-fearing American will understand.

Western Hemisphere — also known as "our half of the earth." It has been ours since Monroe found it in 1823.

Central America — because it is in the Western Hemisphere it belongs to us. Unfortunately many Central American countries have the silly idea that they control their own destiny. This is what Marines are for.

Union of Soviet Socialist Republics — also known as the "Evil Empire." The USSR is ruled by very bad men who dream of world domination. They are immoral. Luckily our

foresighted President has seen fit to outlaw this very bad country.

Rebels — there are two kinds of rebels: Freedom Fighters and Marxists. Both are Nicaraguan. The first are good and the second are bad. Our good Nicaraguan rebels are trying to overthrow the bad government of Nicaragua while their bad Nicaraguan rebels are trying to overthrow the good government of El Salvador.

Peace Keeper — a nifty nuclear missile given to us by God which can kill thousands of bad men in a single second.

Arms Control — a Soviet plot whereby the USSR and the USA limit nuclear weapons, thereby decreasing the likelihood of a nuclear holocaust. Our leader will not fall for this trick.

Granada — a country smaller than Rhode Island. It, too, was ruled by bad men. This is no longer a problem. (See Covert Action).

Honduras — the nice peace-loving people of Honduras have allowed us to use their

(continued on page 3)

COMMENTARY

Out of Turn:

Who Are These People Anyway?

by David F. Wall
Newspeak Staff

Thursday night, for those of you who didn't know or didn't care, was the annual event known as the OGCP Placement Meeting for Seniors, or more colloquially, Bill Trask Tells Seniors How To Get Jobs. A few interesting things went on there, hence the subject of this week's hopefully interesting column.

I'd been to the shorter version of this — Bill Trask Tells Juniors How To Get Summer Jobs — and had some vague idea of what to expect. The presence of Dan Weinshenker (God, I hope I've spelled that right) passing out something about his IQP didn't surprise me. Then this girl I had never seen before stood up and asked us to quiet down. We didn't shut up until some large gentleman with a penetrating voice asked us to, but you know how it is. The girl announced herself as the President of the Class of 1985.

Really? Holy apathy, Batman!

I was not the only one who had no clue as to this young lady's identity. Whispers erupted around me. So that was the class president, telling us we had oodles of money to spend and how we had better go and spend it.

God! Things do change.

Let me take you back for a minute, back into the distant past, back to . . . High School.

Now, I don't know if I'm representative or not, but I'm the only example I've got. My high school, serving a city about forty percent the size of Worcester, had approximately the same size senior class as WPI does right now. And when it came to class officers and how much money we had to spend on ourselves, everyone, from the jocks to the junkies to the motorheads to everyone else, knew exactly what was going on.

So why not here?

I have a few ideas. First of all, the scope of one's circle is limited. The number of people

remains about the same but you don't really associate with as many of them. After all, just discipline alone divides people up. And then there's what dorm you live in and who your friends are and on and on and on . . .

It's the old WPI story. We're all so bleeding busy around here that you don't have time to be so gregarious along with all the other things you have to do. And sitting in that meeting brought that home to me. There were at least five hundred people sitting in the Harrington balcony, and most of them were complete strangers to me. That's kind of sad. I don't think it is anybody's fault. That is just the way it is. I'm wondering if at this time next year all these people who have let four years of their lives bleed into this place at the same time I did are going to be anything but photographs in the *Peddler*.

The WPI community, it seems to me, is not as tightly knit as some people think it is. This is not to say that it isn't close — think for a minute about being part of an amorphous gang like they have at the University of Massachusetts at Amherst. More students than townspeople, I think, though, in the end, each of us WPI types is forced to be a little less social an animal than he used to be. Time that used to be devoted to socializing and knowing who everyone was and what was going on gets sucked into the academic vortex.

And then we'll all scatter across the face of the planet, and be limited to the company we work for, or the department, even. Terrific.

I don't know if there is anything we can do to stop this, but communicating might slow it down. It is kind of late for us seniors, but the rest of you might take note. Don't forget how to communicate to a wide audience. If you do, pretty soon only the politicians are going to be able to do it and we'll all be in a hell of a mess.

A Political Analysis

by Kristin Perry

Only 55 years ago the death knell of conservative government was sounded by the stock market crash of 1929. Its fate was confirmed by the election of President Roosevelt in 1932 and thereafter began a decades-long string of liberal leaders in every level of government. Many urban governments have an unbroken string of one-party rule from that time.

The excesses of the application of the American work ethic in the '20s were the direct results of extreme application of the "laissez-faire" attitude of government. The pursuit of the American dream did not make allowances for any fallout of under-achieving individuals. When the paper millionaires of the day lost their millions, there was not even a program of unemployment insurance to keep them from starving. Their assets in banks were frozen and sometimes lost entirely. Men who worked and saved all their lives found themselves on the street, penniless. There was not a federal insurance guaranteeing individual savings would not be lost in a failing bank. There were not a number of safety checks which would put a bottom on individual failures. These failures often had a ripple effect. For example, a bank failure or closing would remove assets of healthy businesses, causing their failures — which in turn caused others.

Into this vacuum came the liberal establishment and 20 years of control. During these 20 years laws were passed and programs were initiated or changed. The previous philosophy, the strong will be unbridled and the others will get along as best they can, began to swing in the other direction. Income tax, unemployment insurance, federal insurance on banks, welfare departments, social

security, CCC and WPA were utilized to get money into circulation from its stagnant state. Also, the second world war came at this time, which cured the unemployment problem. Deficit financing which began in the '30s was made acceptable due to the war and was continued as permanent "business as usual." The political practice of promising more benefits to be distributed elected candidates almost without fail.

The excesses of the conservative government of the '20s were now to be replaced by the excesses of the liberal philosophy. Now politicians searched for ways to tax productivity within their state to attempt to pay for "cradle-to-grave" assistance. As the years passed, it became less attractive to the people on this assistance to get off the rolls. In addition, it became less attractive to the employees of these agencies to take people off the rolls because their jobs could be placed in jeopardy. It also became impossible for politicians elected for their "compassion" to stop the snowballing costs of each new program.

Thus, the pendulum had swung, from no government interest in the individual to the point of encouraging them to breed to increase their dollar assistance. However, just as the people deserted the conservative cause in the 1920s, the people are deserting the liberal cause in the 1980s. Ronald Reagan's election in 1980 was the liberals' crash of 1929. The momentum of the pendulum's swing will increase after this November as the people are beginning to realize the conservative approach to economics is returning to the country the vitality the liberals had drained away.

Please send any comments you have about this article to Kristin Perry, Box 173.

In Support of the Equal Rights Amendment

by Walter Power

"Women can't be engineers; they lack scientific minds. They're too emotional, and consequently lack objectivity." Today would anyone dare to agree with this view? I hope not, but 80 years ago, most of you, whether man or woman, probably would have. Eighty years ago men and women lived segregated lives; they moved in different worlds. Consequently, both sexes felt that the male and female minds were very different in an intrinsic way.

With the emergence of our technological society and its subsequent dependence on economic growth, women left their narrow world and entered men's. Today women compete with men for jobs in job markets where formerly only men were engaged, and in the universities women have even come to outnumber men. These two factors, technology and economics, have caused society to greatly change its view on the difference between the sexes. Today you and I know that, in an economic sense at least, a man's world ought to be a fictitious place, that a man's world is not necessarily where woman does not belong, but rather where archaic tradition has stubbornly refused to die.

How many men today would be willing to trade career opportunities with a woman? Odds are that when it comes time to look for jobs men consider themselves lucky to be men. And women, how do you feel? Do you think you'll get a fair shake at the jobs you're qualified for? It would surprise me if you did.

The Constitution says that no state shall "deny to any person within its jurisdiction the equal protection of the laws." And the laws protect women against discrimination. Since 1963 there has been a law guaranteeing equal pay for equal work. In addition, a government nationwide affirmative action program combats discrimination against women for jobs. Yet the question needs to be asked: Do these laws and programs work? The unfortunate answer is no, they don't. Statistics tell us a disturbing story. Presently, 80% of women who work are employed in a narrow segment of the economy consisting of clerical, sales, service and light industry work, and within this segment they occupy the bottom end of the pay scale. But even more shocking, female college graduates on the average earn less than men who never even finished high school! What on earth do women spend their time and money on a college degree for when men needn't and can still do better? Obviously, something is rotten in America. Why aren't the laws being upheld?

We as classmates at WPI have come to realize that women are no more or less capable academically than men. That there are fewer women than men studying at WPI

says nothing about their mental ability, but rather points out the archaic tradition which used to exist forbidding women to even study in engineering and science.

Well that's fine; we can all agree women are equal to men in any mental capacity and ought to be treated as such. The problem we face is how to convince the obsolete minds out there that women can make able scientists, lawyers, politicians, doctors, mechanics, or even garbage collectors if they so choose and desire. And believing as we do that women can match wits with men, shouldn't we expect that women be paid the same as men for the same work? Yet today, women who need or want jobs and are qualified for the positions they seek face job and pay discrimination by male employers who refuse to accept a woman's legitimate right to be treated the same as any man with her qualifications. This happens despite the laws. As we can see, the American tradition of discrimination against women is a tradition that dies hard.

But this is not the only problem that women face in attempting to assert their rights. Our very fundamental document of rights, the Constitution, does not support their claims to equality. With the 19th Amendment giving women the right to vote, the Constitution recognized that women's rights needed special attention; but having gone so far as to recognize women's special predicament in our society, the Constitution stops short of declaring full equality for women, leaving the implication that women are not full citizens. Why after all would the Constitution give women the right to vote, to which it entitles all full citizens anyway, if there were not already some notion, now suddenly embodied in the document itself, that women were not full citizens?

What does this mean for laws against sex discrimination? Without Constitutional backing in the fullest sense, these laws are not likely to be upheld and respected. This implied flaw in the Constitution and the prevailing sex discrimination in the job market together urge an amendment to the Constitution. The Amendment presently proposed is straightforward: "Equality of rights under the law shall not be denied or abridged by the United States or by any State on account of sex." As you can see, there are no secondary items; ERA addresses only the issue of sex equality.

Of course we cannot, nor should we, legislate morality. And no, nor can we outlaw the prejudiced mind; but we can stop prejudiced minds from infringing upon our rights. For the sake of half the people in this country, a clearer Constitutional declaration of equality would be a solid step taken against prejudice.

POLICE LOG

Friday, Sept. 21

1:15 p.m. — Worcester Police reported chasing two males who had just broken into a house on Grove St. WPI officers checked the area.

1:30 p.m. — Officer reported that he and another officer had captured a suspect and were searching for the second.

11:50 p.m. — Officer received call from student manager in the Pub regarding patrons getting out of hand.

Saturday, Sept. 22

12:12 a.m. — Officer reported remaining in Pub area due to the alumnus disturbance.

12:45 a.m. — Student called regarding possible break into a vehicle taking place on

Dean St.

12:55 a.m. — Officer called to report attempting to pull over an automobile exiting Morgan at a high rate of speed.

1:10 a.m. — Officers at the scene reported attempting to place the subjects under arrest.

1:30 a.m. — Officer reported placing two subjects from the Pub incident under arrest and transporting them to the Worcester Police Department. The charges were assault and battery on a police officer and aiding the escape of a prisoner.

Sunday, Sept. 23

6:30 p.m. — Student called to report his wallet possibly stolen from his vehicle.

(continued on page 5)

... Dictionary

(continued from page 2)

country, which is right next to Nicaragua, as a military training ground. There are more soldiers than civilians in Honduras.

Defense Budget — this is an astronomical sum of money (though less than the deficit). It is used to build bombs which we can hurl at bad people. It is not to be confused with much smaller budgets such as those for education and Medicare.

Covert Action — this is when the President of our great nation protects our vital interests by sending men with guns to beat up on other men with guns.

Good Christian — this is what you are not if you oppose our Great Leader.

Vital Interests — this is what we say before we use covert or not-so-covert actions. Many times our leader does not tell us what our vital interests are because that would be contrary to our vital interests.

School Prayer — it is because we do not have this that the world is being overrun by communists. (See Union of Soviet Socialist Republics).

Star Wars — this is a very neat little system thought up by our leader and Luke Skywalker. It will allow us to carry the arms race into space. There is no longer enough room on the earth for our nuclear weapons.

ARTS AND ENTERTAINMENT

"Fanny and Alexander" To Be Shown in Alden

by David Lugowski

The famous Swedish director and producer Ingmar Bergman, was once asked why, since he seemed to love life so much, he always made depressing films about death, divorce, old age, and the loss of innocence. His answer? *Fanny and Alexander* (1983). This comedy-drama, also written by Bergman, tells of two young children growing up in a small town in provincial Sweden. The cast includes some of Bergman's familiar repertory, such as Harriet Andersson and Gunnar Bjornstrand.

At last year's Academy Awards ceremony,

Fanny and Alexander won four awards, more than any other film that year except for the best picture, *Terms of Endearment*. Members of Bergman's crew won awards for best cinematography, best art direction, and best costume design. Bergman himself was honored for producing the best foreign film of 1983.

WPI Cinematech is indeed fortunate to present *Fanny and Alexander* this Tuesday night, October 2, at 7:30 p.m. in Alden Hall. Admission is free to all students and to the general public. Don't miss this chance to see this acclaimed film by one of the cinema's giants.

SOC COMM PREVIEW

by Andy Ferreira
Newspeak Staff

Tonight Cinematech will be presenting the Swedish screen play, *Fanny and Alexander*. This film relays the tale of two children growing up in a Swedish town amid family and friends. Why not add a bit of foreign flavor to an otherwise bland Tuesday night and catch the movie? *Fanny and Alexander* will be shown TONIGHT, October 2, in Alden Hall starting at 7:30. As are all Cinematech events, it's free and open to the public, so you can bring along your girl-/boyfriend from Clark too.

Thursday night in the Wedge you can find The Psalter, a duo of folk singers. Lilianne Labbe and Don Hinckley will be performing their brand of original songs, folk, jazz and classical material, for you at the Coffeehouse. Lilianne and Don have played in the U.S., Canada, France, and Italy, captivating audiences wherever they go. They have also toured extensively in the New England area. So those twenty points for your Lisp class can wait — go down to the Wedge and relax with an evening of very special lyrics and harmonies. The music begins at 9:00 p.m. on Thursday, October 4, in the Wedge.

Haven't decided what you are going to do

Saturday yet? How about the Pub? This Saturday we'll have Boys' Life to rock you all night long. For only 50 cents (that's just a can of soda) you can have LIVE entertainment. Where else can you get a deal like that? Things start hopping around 9:00 p.m., Saturday the sixth, in the Goat's Head Pub, in the basement of Sanford-Riley Hall.

Sunday the Reel Thing presents *To Be or Not To Be*. Don't worry, it's not a re-hash of Shakespeare's *Hamlet*; instead it's a hilarious movie by Mel Brooks. If you've seen any of his previous works, then you know that you are in for a treat. This movie is a definite "Must See Again" in my book. You can get in for only a dollar and the fun starts Sunday, the seventh, in Alden Hall at 6:30 p.m. and 9:30 p.m.

Monday night, October 8, the Spectrum Fine Arts Series presents the Berkshire Chamber Players. This quartet is capable of rendering music from the baroque era to the present. You cannot afford to deny your tympanic membrane the pleasure of harkening to their unique sound. This is all happening next Monday, the eighth of October, in Alden Hall at 8:00 p.m. Once again, the concert is free and open to the public.

Communism in 1794: Danton

by G. Denton
Newspeak Staff

Just as there are as many theories about the French Revolution as there are historians, so there are an equally infinite number of interpretations of Andrzej Wajda's homage to the Revolution, *Danton*. The debate still rages over Wajda's interpretation of the events of 1794. One thing, however, is certain; Wajda's bitter attitude toward the French Revolution, the symbol of Revolution, reveals a pessimistic view of revolutions based primarily on subjective experiences in contemporary Poland.

The film's subject matter is not the usual narrative of the popular movement, but rather deals with the ideological debate between the two great figureheads of the Revolution, George Jaques Danton (Gerard Depardieu) and Maximilian Robespierre (Wojciech Pszoniak). There is no reference to the events of 1798, no waving of the Tricolor in the streets of Paris by enthusiastic mobs, and the only rendition of the *Marseillaise* is adulterated by the circumstances under which it is sung. In fact, if one based their opinions of the Revolution on this movie, it would surely be likened to the conditions existing in 1930 Russia of contemporary Poland.

And this is exactly what Wajda intended. The mood is set in the beginning of the movie; the first scene depicts a bread line, and the second scene shows Danton traveling in the shadow of the guillotine. Wajda has taken up an apt historical allusion and applied it to contemporary events in Poland. Rather than deal with the French Revolution as a revolt of the people against tyranny he has created a stage in which an ideological debate between East and West can occur.

The two central characters, Danton, representing the sensual, strong-willed, principled West, and Robespierre, the cosmetically beautified, fanatical, sour and reactionary East, dominate the screen. Each mighty figure is surrounded by characters who contribute to the symbolic debate; Desmoulin, the youthful and honest man who has a wife and child to support while he fights for the cause of the people, and St. Just, who lurks around Paris in search of potential food for the guillotine.

Wajda's opinions of revolution's are clear-cut (sorry) as demonstrated in the final scene when Danton is executed and Robespierre assumes more of a stranglehold on power. This view is understandable if one takes into account the events occurring just prior to the production of *Danton*, most notably the imposition of martial law in Poland.

As a film on the French Revolution, it is misleading, confusing, and boring. There is no action, one cannot identify with any of the characters as they are all horrendously stereotyped. Depardieu, who was impressive in the *Return of Martin Guerre* and other movies, is a terrible Danton. He evokes almost no sympathy and his character is as flat as the action. The characters are biased, the events surrounding Danton's trial are ignored, and the whole movie seems forced. As a propaganda movie, however it succeeds.

Much as More's *Utopia* and Swift's *Gulliver's Travels* have many levels of meaning which are sometimes slightly implausible, Wajda's *Danton* succeeds on the political levels but is hard to take as a revolutionary thriller.

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Psychspeak:

Managing Stress

I don't think that most of us do very well in managing stress or in coping with the anxieties and tensions that surround us in everyday life. Yet, effective stress management does not involve magical solutions or abilities beyond our mortal capacity. Alternatives to anxiety are available to you. Practical, helpful coping strategies do exist if you have the motivation and take the time to learn them.

Our approach to managing stress can be called holistic or multidimensional. As we said in the last column, personal experiences of stress vary both within and between individuals. It follows, therefore, that stress management should also be variable and multifaceted. What works for one does not necessarily work for everyone. It seems reasonable to assume then that an individual who approaches stress control from many perspectives increases his/her chance of success.

The following six techniques/suggestions for stress management have been found to be helpful for many people. You may employ each alone, but the more approaches you learn to incorporate into your life, the more effective a stress manager you will become. For more information on any of these techniques please contact the Student Counseling Center.

The most basic element in stress control is **awareness**. Recognition of one's individual reactions to stress coupled with an understanding of stress-producing stimuli is vital. Learning to monitor your physical and emotional feelings is the key to change. Awareness of how (e.g., headaches, shortness of breath, stomach pain, etc.) and when (e.g., before an exam, meeting new people, performing a recital, interviewing for a job) you are stressed helps you to know when to try something new.

Often people can reduce stress by taking an active role and changing the situation that stimulates the anxiety. **Situational change**, such as changing where and with whom you study, may help you to modify negative emotional responses.

You can often reduce tension by changing how you think about an event. **Cognitive restructuring** is an approach that advocates reviewing the beliefs and thoughts that you attach to the events in your life. If you can accurately and rationally analyze your thinking you may find that much of your anxiety

is the result of faulty or irrational thinking. For example, the stress that you experience in the form of diarrhea when faced with your oral comp presentation may be caused by an irrational need to be perfect and approved by the entire faculty. No way, Jose! That need (or the underlying rationale that in order for you to be a worthwhile person everyone must think you're nifty keen) is irrational, unattainable, and stress-producing. There will always be someone "out there" who thinks you're a jerk. Accept that, accept yourself and try to do your best. Modifying your thinking in this way will probably reduce potential stress.

The physiological aspects of stress (sweaty palms, shallow breathing, headaches, stomach cramps, etc.) can be modified by utilizing one of the many forms of **relaxation training**. Progressive relaxation, yoga, TM are all forms of relaxation training. You can control your physiological system — reduce oxygen consumption, decrease respiration, lower metabolic rates, induce muscular relaxation, alter brain waves — through the practice of simple relaxation procedures. We teach relaxation procedures at the Student Counseling Center and they are the core of effective stress management!

You are what you eat, really! The body's reactions to, and ability to cope with, stress depend upon its nutritional state. One's general health and diet are important elements in one's ability to manage stress. **Nutritional awareness** and dietary modification are suggested for all. You should analyze your intake of such "foods" as sodium and sugar and learn to make intelligent, considered dietary choices.

Last, but certainly not least, regular aerobic activity and **exercise** may facilitate stress management. The American Heart Association states that a minimum of three exercise periods of 20 minutes' duration per week at intensities of 30-60% of one's maximum heart rate provides a relatively safe release for pent-up physical tension. Dr. Hans Selye, a pioneer in stress research, agrees with the positive effects of exercise by stating that the body's ability to deal with stress is enhanced by regular physical activity. Of course, check with a physician before you initiate any new physical activity if you are middle-aged or beyond (that's anyone over 25!).

Project Report

Researching Offshore Oil Rig Repairs

by D. Laprade
Newspeak Staff

Although offshore oil rigs are thousands of miles from our Worcester campus, there is a feature about them that has sparked a fascinating MQP here at WPI. The work deals with improving the repair scheme for oil rig reinforcement beams. The road towards developing the project has been, at times, a frustrating one, but graduate student Jerry Kulhowick and civil engineering senior Ed Williams hope the hurdles are behind them now.

Early in February 1984 Jerry Kulhowick was in search of a way to bring together his oceanographic engineering interest and materials background for an MQP. After talking with an authority on underwater welding from MIT, Mr. Kulhowick was directed to Sea-Con Services of New Iberia, Louisiana. Sea-Con was interested in having a research team look at a feature of their underwater repairing apparatus.

Apparently some of the beams of the oil rig's structures are periodically bent or fractured by equipment or boating mishaps. Many times the members are weakened from corrosion and need repair.

Most repairs are done underwater where welding techniques may be hindered. The damaged portion of the beam is sandwiched within a sleeve welded onto the beam. These repairing devices are called "scallop split sleeves" or "SSS's."

Sea-Con's concern over the SSS is that it may be overdesigned. The current design involves the strange scalloped shape which allows for more welding area to ensure a secure bond between sleeve and pipe. Of course such a configuration is more expensive in terms of production, welding time, and material.

Both Kulhowick and Ed Williams saw an opportunity in the dilemma for an interesting project. Faculty advisors cautioned the two about such an endeavor. As Ed Williams pointed out, "The geometric shape makes any kind of analysis very difficult... it is very hard to get a feel for it." Professors Frank Defalco (CE) and Hartley Grandin (ME)

agreed to supervise the students in their efforts. For Mr. Kulhowick the project will be the subject of his Master's thesis and for Mr. Williams it serves as his MQP topic.

Fortunately both men were familiar with a method of analysis called the finite element method (FEM). In short what FEM does is to break the sleeve into tiny cubes and analyze the stresses and strains on each cube. As might be expected such a method can quickly become a migraine headache if done by hand. That is where the magic of the computer comes to the rescue. Using the computer allows the complicated inputs and outputs to be arranged in a useful organized manner.

However, they didn't find their magical assistant at WPI. The group claims that WPI has the necessary software, but have found it to be inaccessible to students. Fortunately a WPI graduate, now working at a company called Applicon in Burlington, Mass., was able to offer assistance.

Applicon is a leading supplier of turnkey CAD/CAM systems and according to the two men Applicon has been their beam of sunlight throughout their endeavors. Applicon gave the group access to their FEM system to study the SSS. Though their work will be taking them to Burlington (a one-hour drive) two times a week, they feel the inconvenience will be worth it.

With the Applicon FEM system they will feed many different sleeve dimensions and parameters and review the output to see if indeed the device is overdesigned and if so what design would be best. Sea-Con has shipped the sleeve to the group; they will analyze it in the lab along with another MQP group.

To both men it is more than just project work. Jerry Kulhowick explains, "We definitely feel our work is of value to Sea-Con. We hope that our results will ultimately save them money."

How valuable is such a study? Well, consider this: ten oil companies have invested half a million dollars in an effort to review this same feature of oil rig structures.

Right now the researchers aren't ready to speculate on the results, but when their report is completed in the spring, they hope to travel to Louisiana to present their results to the people of Sea-Con.

(Note: Jerry Kulhowick is the teaching assistant for Interdisciplinary Affairs, which assists undergrads in their search for project work. He welcomes anyone who would like to discuss project work to stop by his office in the Project Center.)

Correction

Newspeak would like to make a correction concerning last week's project report. Newspeak inadvertently printed the price of producing a pair of contact lenses as \$200. The correct price is \$2.00.

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Navy Officers Get Responsibility Fast.

... Police Log

(continued from page 3)

11:14 p.m. — Officers received a call from a neighbor complaining about loud noises from a fraternity. Officers responded and asked the fraternity to turn the music down.

Monday, Sept. 24

4:30 p.m. — Officers requested that the Worcester Police Department be called regarding a traffic accident with personal injury at Boynton and Institute Roads.

Thursday, Sept. 27

6:17 p.m. — A student reported the theft of a wallet, a pair of pants, and jewelry from a locker in Alumni Gym.

Friday, Sept. 28

1:25 a.m. — Sergeant requested that the Worcester Police be called regarding a possible hit-and-run accident. The driver of the vehicle responsible was apprehended at the intersection of Institute and Einhorn when his car gave out after leaving the scene of a property damage accident.

1:50 a.m. — Sergeant reported that the Worcester Police had placed the operator of the vehicle under arrest.

SPORTS

Women's Cross Country Wins Match

Thursday, the women's cross-country team breezed to an 18-43 victory over Clark U. over the tough 3.25-mile course at Alden Labs. Denise Crookes led from start to finish in 21:48. After a 6:16 first mile, she was able to settle into an even pace for victory. Virginia Noddin (2nd), Jeannette Cheetham (4th), and Kathy Dochak (5th) went through the first mile together. Virginia then made a strong move to catch Clark's top runner and finish in 22:45. O'Connell (6th), McKeon

(8th), Dwyer (9th), Hickey (10th), and Gro-leau (11th) formed the rest of WPI's parade across the finish line.

The next meet for WPI (2-2) is Thursday, October 4, at 4 p.m. at Holy Cross in the City Meet. Holy Cross is the defending Division II National Champion.

(Note: in cross-country meets, the team with the lower score wins. 15-50 denoted a seven-runner sweep, or "shutout.")

Soccer Team Cruising

by Steve Graveline

The WPI soccer team improved its record to 5-1 as they beat Lowell University and Trinity College last week.

Lowell came to Worcester last Thursday with a reputation of being very physical and after one and a half hours of soccer they left with the same reputation. WPI however, entered the game with a reputation of having a very talented team, but were not known as being physical. Earlier in the season, WPI lost to Bentley College, in what was considered a terrible soccer game due to the number of fouls and fights that occurred. The officials are supposed to keep the game under control, but in soccer, as in any other sport, there are your good officials and there are your not so good officials. So WPI left Bentley with their only loss of the year. Last Wednesday WPI became quite aggressive to make sure they didn't pick up their second loss of the season and came away with a 3-0 win over Lowell.

As in previous games, WPI pushed the ball up to three forwards and let them put the points on the board. That same strategy was used, but it was the play of WPI's midfield men that scored two out of three goals and seemed to take control of the game. It was the midfield men who not only supplied a good offense, but they are the ones who have to play defense when the opponent has the ball. Thus, they spend a good part of the game just running up and down the field. Against Lowell they also supplied a solid defense. Coach King uses two groups of midfield men, substituting them at will. It looks to be a good strategy because it keeps well rested people in the game.

The game was dominated by WPI with only a slight letdown early in the second half, when it looked like Lowell might cut down on the 2-0 lead, but that lasted a very short time. Carlo Grotter started off the scoring in the first half giving WPI an early 1-0 lead. It was some time later that Amaro Goncalves put in a penalty shot to the right corner of the net. In all physical games there seems to be a few free kicks awarded to a team and this game was no exception. The

Field Hockey Drops Two

by Kathy Taylor
Sports Editor

The WPI field hockey team dropped two games this week bringing its record to a very disappointing 1-2-2. The team's first loss was a tough one to a very determined Anna Maria team which resulted after regulation play in overtime.

WPI scored in the initial minutes of play when Kathy Taylor blasted a drive past the Anna Maria goalie from the edge of the circle. Anna Maria answered that goal minutes later and with the 1-1 score the game continued into two overtimes.

Despite the intense play by the WPI women, their fierce opponents managed to sneak another goal by the defense in the final minutes to end the well-fought game with a 2-1 score.

The second loss came from Connecticut College, who was just too much for the young WPI team. Connecticut college overpowered the Engineers by a 4-1 score. The lack of experience as a team showed on the field as Connecticut College exhibited its finesse and simply out-played the WPI stickers. WPI scored the first goal of the game after Moe McGlone blasted a powerful drive off an Amy Swotinsky free hit past the defense and into the net. This goal was immediately answered by Connecticut College as they went on to score three more goals in the second half.

The next home game will be Thursday, October 4, against a tough Clark team.

Engineers Roll Jumbos

by Ned Corini
Newspeak Staff

Saturday, the WPI engineers traveled for their first road game of the season to Tufts University, where they handily beat the Jumbos 23-7. The game, on a beautiful day, was dominated not merely by the offense of WPI, but the defense, much to the delight of the several hundred WPI fans who made the trip.

The emergence of the defense was the key to the contest. Tufts could not sustain a drive until late in the game when they scored their only points. The hard-hitting Engineers were led by tackle John Jesi, linebacker Bob Henderson, and end Franz Roesner. They stopped Tufts all day, causing the highly

touted Jumbos confusion and headaches.

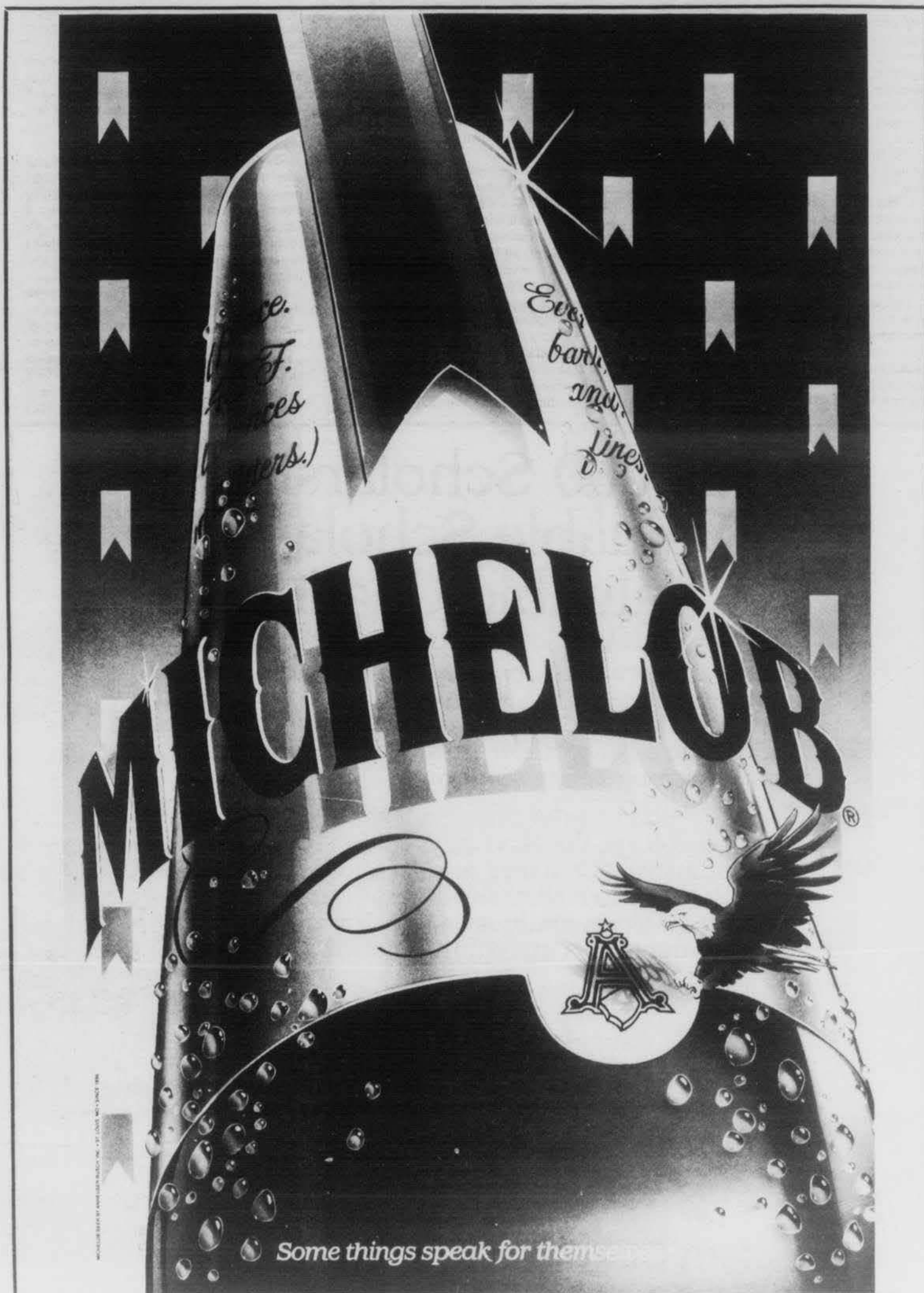
The Engineer offense was once again in high gear, racking up 341 total yards and 22 first downs (to 273 and 14 for Tufts). WPI tailback Mike Carbone started the game rolling, when early in the second quarter, he scored from 4 yards out to become WPI's all-time leading scorer with 110 points. He added to his total a short time later to make the score WPI 14, Tufts 0. John Scacciotti ran for 40 yards and threw for 103 yards more. All of this was due to the offensive line, who cleared away Tufts on every play, making everybody else's job that much easier.

All in all, this game against Tufts was a good tune-up for next week's game when the #2 ranked Engineers take on #1 ranked Union College. Come on out and support Tech.

Pub Council Seats Available

The Pub Council is presently looking for additional members. Openings exist for members to represent the Class of '87, Class of '88, graduate students, and faculty. If you are interested please leave your name and box

number with Glenn DeLuca, Office of Student Affairs. Any questions concerning the Pub Council should be directed to Marty Borden (Math Department), Pub Council Chairman, or Glenn DeLuca.



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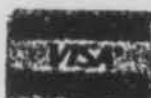
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Volleyball Ups Record to 6-2

by Sandy Olson

The WPI's women's volleyball team continued its winning ways as the "floorburn kids" took 2 out of 3 matches this week. They started the week with a match against a very strong Rhode Island College team. In the past RIC has always dominated play against WPI. This year was a different story. Although the team lost, the match was closely contested and the outcome was not decided until the closing points were played. The final score of the match was 11-15, 13-15. Standouts for WPI were the hitting pair of Joyce Barker and Jean Travers. They were continually putting the ball to the floor and frustrating the RIC defense.

The team then rebounded to win its next two matches. Against Merrimack, the "floorburn kids" exploded to win the contest going

away 15-2, 15-4. The accurate serves of Maria Carvajal and the overall performance of Sue Padell led the devastating WPI attack.

WPI's next opponent was Conn. College. Led by the defense of senior co-captains Joyce Barker and Fran Weiss, the Tech women totally dominated play. With the serving prowess of Cheryl Macedo and Sue Padell, WPI crushed the Conn. College defense.

WPI now has an impressive 6-2 record. Depending upon the outcome of the Worcester City Tournament, WPI has a chance of making the state tournament for the first time in the school's history. Assistant coach Karen Dzialo is ecstatic about the team's success. "The kids are living up to all expectations. The way they're playing now, it's going to be hard to beat them."

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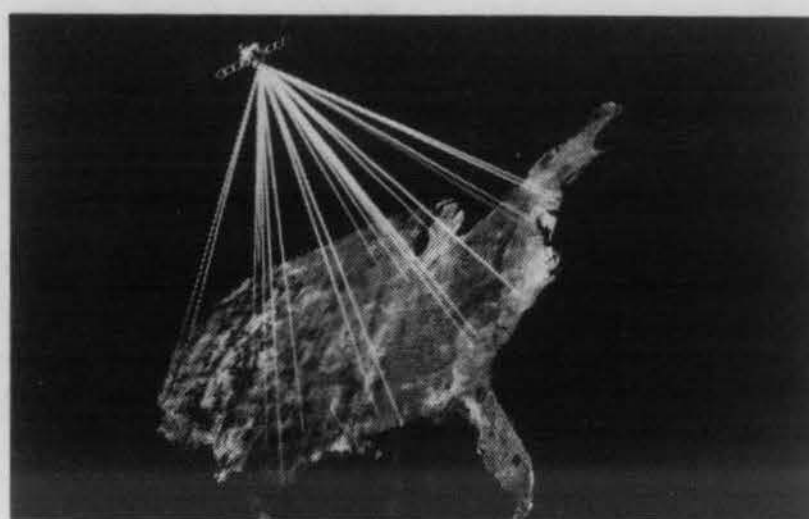
Among the companies telecasting live to your campus are Sperry Computer Systems (formerly Sperry UNIVAC) including all domestic operating units, nine divisions of Tektronix, Inc., five groups of Combustion Engineering, Inc., the Federal Aviation Administration and three operations of the National Security Agency. There will also be a special presentation, "Space Station...The Next Logical Step," by NASA.

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Through this one day video teleconference, you'll learn about many career opportunities that are awaiting you. BPI-SOURCE gives you, the student, a chance to learn valuable and helpful information about each company.

Participating companies are recruiting students majoring in all engineering disciplines including aerospace, chemical, civil, electrical, electronic, industrial,



mechanical, all disciplines of computer sciences, plus majors in aviation management, math, physics and all other technical degrees. Admission is free. High achievers and above average grades are welcome. And no registration is required.

In addition to the company presentations, question and answer periods and featured speakers, there will be special door prizes including BPI-SOURCE T-shirts, T.I. Scientific Calculators and a surprise Grand Prize. We'll also have helpful information on each company to take with you.

The BPI-SOURCE presentation is Oct. 10 at Alden Hall and will include a live morning telecast at 11:00 a.m. EDT and a live repeat approximately 3 hours later. Choose the telecast that best fits your schedule. **Pick up further information including presentation schedules at the placement office or call:**

BPI-SOURCE 1-800-328-4032

BPI-SOURCE™

Fill out this coupon and bring it to the BPI-SOURCE presentation. It's your entry for the door prize drawings.

NAME _____

LOCAL ADDRESS _____

PHONE _____

MAJOR _____

WHAT'S HAPPENING

Tuesday, October 2

NPC BLOOD DRIVE, Alden Hall
CINEMATECH FILM SERIES, "Fanny and Alexander," Alden Hall, 7:30 p.m., Free

Wednesday, October 3

WOMEN'S TENNIS vs. Suffolk, 3:00 p.m.

Thursday, October 4

FIELD HOCKEY vs. Clark, 4:30 p.m.
COFFEEHOUSE, Wedge, 9:00 p.m.
RESUME WRITING WORKSHOP, Higgins Labs 109, 7:00-8:00 p.m.
MANAGING STRESS SEMINAR, 1st of 2 sessions, Alden Hall Alumni Conference Room, 7:00-9:30 p.m.
FIRE PROTECTION SEMINAR: Guest speaker Roger H. Wildt of Bethlehem Steel Corp. to speak on Building Design, Construction and Fire Protection, Kaven Hall 116, 4:00 p.m.

Friday, October 5

DANCE DAZE, Alumni Gym, 8:00-11:00 p.m., \$2.50

Saturday, October 6

SOCCER vs. Rochester, 11:00 a.m.
FOOTBALL vs. Union, 1:30 p.m.
PUB ENTERTAINMENT, 8:30 p.m., 50¢

Sunday, October 7

SUNDAY MASS, Alden Hall, 11:00 a.m.
THE REEL THING, "To Be or Not To Be," Alden Hall, 6:30 and 9:30 p.m., \$1.00

Monday, October 8

COLUMBUS DAY
FALL COMMENCEMENT, 1:30-3:30 p.m., Brass Choir — Doug Weeks, Director
FIELD HOCKEY vs. Nichols, 4:15 p.m.
SPECTRUM FINE ARTS SERIES, "The Berkshire Chamber Players," Alden Hall, 8:00 p.m., Free
IEEE CENTENNIAL TECHNICAL CONVOCATION by satellite TV, Pub, 8:30 p.m., refreshments

Tuesday, October 9

LECTURE, Dr. Sandra Harding, "Feminism and Science: Issues and Challenges," Kinnicutt Hall, 4:00 p.m.
EFFECTIVE JOB INTERVIEWING WORKSHOP, Higgins Labs 101, 6:30-8:30 p.m.

THE 1984 HONEYWELL FUTURIST AWARDS COMPETITION

TRAVEL AGENDA: Your mission, should you decide to accept, is to transport yourself 25 years into the future, take a look around and write three essays of up to 500 words each. For the first two essays, you are to write about significant developments in any two of the following subject areas:

1) Electronic Communications, 2) Energy, 3) Aerospace, 4) Marine Systems, 5) Biomedical Technology or 6) Computers. In a third essay, you are to write about the societal impact of the changes you've predicted. Your entries will be judged according to creativity (30%), feasibility (30%), clarity of expression (30%) and legibility (10%).

PASSENGER QUALIFICATIONS: Any person enrolled as a regular full-time student at an accredited U.S. college or university may enter, with the exception of full-time faculty members, previous winners and Honeywell employees.

PACKING LIST: To enter the contest, type (or clearly print) your name, address, college and declared major on an 8½ x 11" sheet of paper. We also need your T-shirt size so we can send you a Honeywell Futurist T-shirt designed by French illustrator Jean Michel Folon. Each of the three essays should be typed, double-spaced, on separate 8½ x 11" sheets without your name at the top. All sheets should be stapled together and sent, unfolded, to:

The Honeywell Futurist Awards Competition, P.O. Box 2009F, 600 South County Road 18, Minneapolis, Minnesota 55426.

All entries must be postmarked no later than December 31, 1984. Winners will be notified by mail by February 1, 1985. All prizes will be awarded.

PAYLOAD: A total of 30 winners will be selected and awarded the following prizes:

10 First Place Winners will receive \$2,000 and an all-expense paid trip for two to the Honeywell Futurist Awards Banquet in Minneapolis. They will also be offered a paid 1985 Honeywell Summer Internship.

10 Second Place Winners will receive \$250.

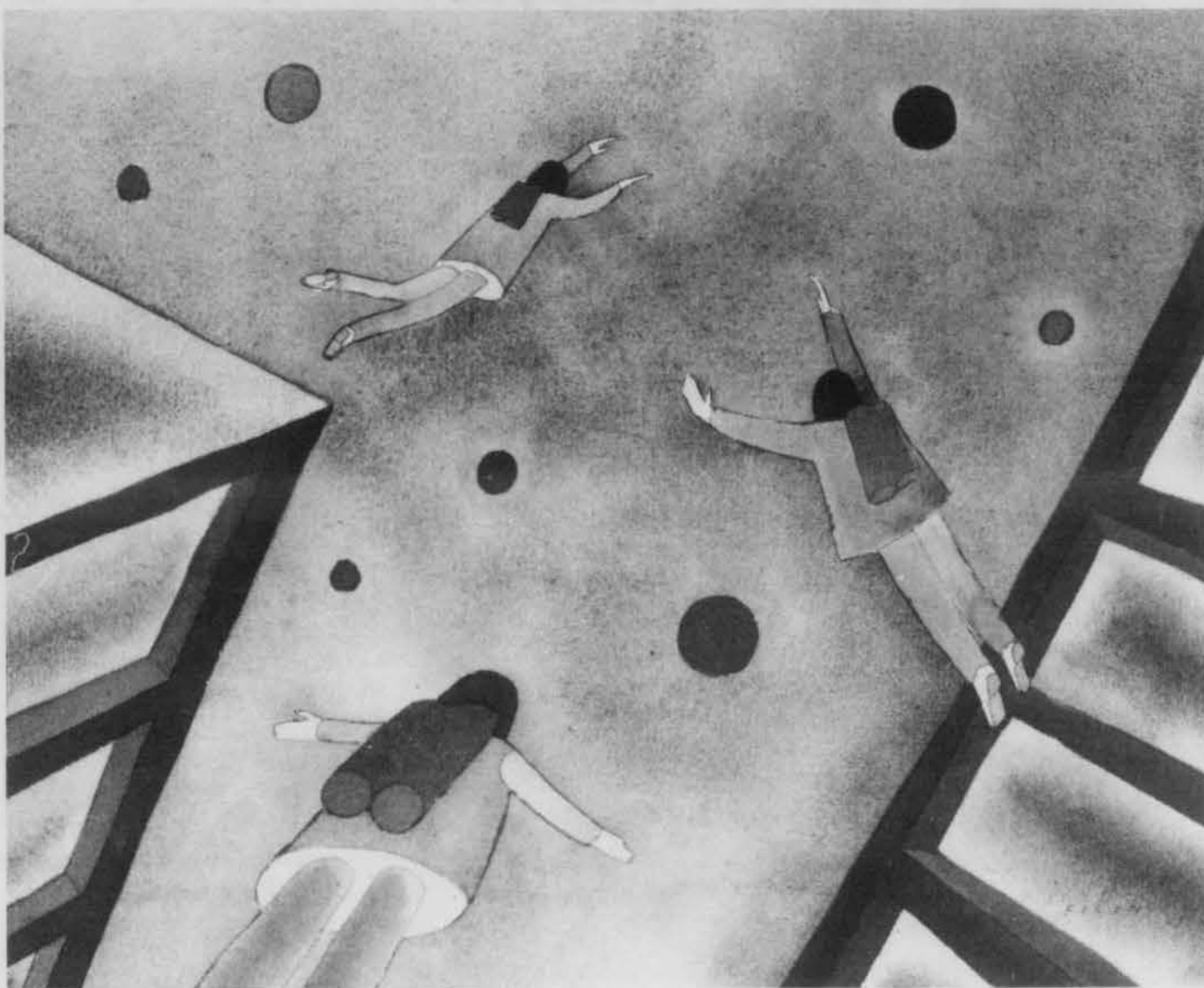
10 Honorable Mention Winners will receive \$100.

All entries are subject to official rules and regulations for participation and entry. If you are interested in receiving a copy of more detailed regulations, write: Futurist Rules, P.O. Box 2009, 600 South County Road 18, Minneapolis, Minnesota 55426.

Together, we can find the answers.

Honeywell

FANTASY IS THE FUEL OF THE FUTURE.



THE 1984 HONEYWELL FUTURIST AWARDS COMPETITION

Beyond scientific speculation and extrapolation, perhaps the richest inspiration for imagining the future comes from exploring our daydreams and realizing that today's fantasy may become tomorrow's reality. If you have imagined what our world will be like in 25 years, now is your chance to release those thoughts — tempered with your knowledge of technology — by entering the 1984 Honeywell Futurist Awards Competition. If your ideas are among the most imaginative and feasible, you will be awarded \$2,000, a trip to a futurist awards banquet and a Honeywell internship. Read the accompanying travel plans to find out how to enter. And fuel up for a trip to the year 2009.

Together, we can find the answers.

Honeywell